## Winners of the Postdoctoral Distinguished Performance Award

| Year | Award                | Name                               | Org                | Research Area   |
|------|----------------------|------------------------------------|--------------------|---|
| 2011 | Individual           | Tanmoy Das                         | T-4                | Spin-excitations in Iron-based Super-conductors and 5f-electrons in Plutonium-based Materials                               |
|      | Individual           | Nan Li                             | MPA-CINT           | Physical Vapor Deposition Synthesis of Nanometal, Transmission Electron<br>Microscopy, Radiation Damage, and Nano-mechanics |
|      | Individual           | Nikolai Yampolsky                  | АОТ-НРЕ            | Ultra-bright Electron Beam Dynamics and Enhancing the Radiation Output of X-ray Free-electron Lasers                        |
| 2010 | Individual           | Shadi Dayeh                        | MPA-CINT           | For Innovative Research on Semiconducting Nanowires and their Devices   |
|      | Individual           | Cristiano Nisoli                   | T-4                | Understanding of Artificial Spin Ice, Instabilities in Nanomaterials and Phyllotaxis  |
|      | Honorable<br>Mention | Juan Duque                         | C-PCS              | Carbon Nanotubes: Violation of Quantum Principles and Novel Fluorescent<br>Composites                                       |
|      | Honorable<br>Mention | Katharine Page                     | LANSCE-LC          | Advanced Characterization of Complex Materials using Total Scattering   |
| 2009 | Individual           | Stosh Kozimor                      | C-IIAC             | Quantifying Covalency in Thorium, Uranium, and the Trans-Uranic Elements  |
|      | Individual           | Jian Wang                          | MST-8              | Atomistic Modeling of Defect Interactions in Nanomechanics  |
|      | Team                 | S. Zoe Fisher<br>Andrey Kovalevsky | B-8                | Neutron Protein Crystallography Station User Program and Scientific Advances  |
| 2008 | Individual           | Chris Graves                       | MPA-10             | Systematic Preparation, Isolation, and Characterization of Pentavalent Uranium Complexes                                    |
| 2007 | Individual           | Michael Demkowicz                  | MST-8              | Atomistic Modeling of Interfaces Radiation-Damage Tolerant Nanolayered Composites   |
|      | Individual           | Ki-Yong Kim                        | MPA-CINT           | Terahertz Dynamics in Condensed Phase Media and High Intensity Laser Matter Interactions                                    |
|      | Individual           | Pinaki Sengupta                    | MPA-NHMFL/<br>T-11 | Modeling and Predictions of New States of Matter in Frustrated Quantum Magnets  |
| 2006 | Individual           | Tuson Park                         | MPA-10             | Superconductivity and Magnetism in Strongly Correlated Electron Matter  |
|      | Individual           | Rolando Somma                      | P-21/T-13          | Quantum Information Science and Technology  |

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|------|------------|---|----------|---|
| 2005 | Individual | David Chavez                                | DX-2     | New Energetic Materials   |
|      | Individual | Richard Schaller                            | C-PCS    | Multiple Exciton Generation from Single Photons in Semiconductor Nanocrystals   |
|      | Individual | Lin Shao                                    | MST-CINT | New Methods to Control and Fabricate Ultra-thin Semiconductor Layers  |
| 2004 | Individual | Gary Baker                                  | C-SIC    | Developing of an understanding of biocatalysis, protein thermal stability, and antigen-antibody reaction in ionic liquids.  |
|      | Individual | Han Htoon                                   | C-PCS    | Optical spectroscopy of nanostructures  |
| 2003 | Individual | Mark Boulay                                 | P-23     | Analysis of Data from the Sudbury Neutrino Observatory (SNO)  |
|      | Individual | Jian Xin Zhu                                | T-11     | Strongly Correlated Electron Systems, Local Electronic Properties, Elasticity of Spin Degrees of Freedom  |
|      | Team       | Matthew Hastings<br>Charles Reichhardt      | T-CNLS   | Statistical Physics of Soft Matter  |
| 2002 | Individual | My Hang Huynh                               | DX-2     | Synthetic and Mechanistic Studies of Osmiun Nitrido Complexes   |
|      | Individual | Sergey Trudolyubov                          | NIS-2    | High-Energy Astrophysics  |
| 2001 | Individual | Jackie Kiplinger                            | C-SIC    | New Entries to Fluorinated Ligands/Synethesis and Characterization of Novel<br>Complexes Based on the Biouranium Fragment   |
|      | Individual | Eddy Timmermans                             | T-4      | Achieving Superfluid Behavior in Fermi Gases/Atom-Trap Superfluidity  |
|      | Team       | Jennifer Hollingsworth<br>Alex Mikhailovski | C-PCS    | Synthetic Chemistry of Nanoscale Semiconductor Particle (Colloidal Quantum Dots)/Optical Characterization of Nanopasticles Using the Most Advanced Spectroscopic Methods Including Ultrafast and Near-Filed Optical Spectroscopes |